

Two Reviews, one for Beamlines Controls Group and one for the IT group.
Proposed dates 30^h and 31st January 2018

The Controls program at the NSLS-II consists of five groups servicing different needs of the facility. These groups are

- Beamlines controls;
- Acceleration Controls;
- Data acquisition, Management and Analysis (DAMA);
- IT; and
- Motion and EPS controls.

To be both consistent with earlier reviews; namely DAMA and SAC overall reviews, two separated, but potentially related reviews are required to examine the Beamlines Controls and IT functions. The reviews will be held on consecutive days and some team members will overlap.

The first review will be for IT; and

The second review for the Beamlines controls (and Motion and EPS).

The individuals making up the review groups are expected to vary, however it is also expected that the results of recent reviews for DAMA and the SAC should be taken into consideration.

Group Organisational structure, both current and proposed should also be taken into account.

IT review Charge

The operation and management of the IT group review:

- Is IT appropriately staffed and managed?
- Does it services the technical needs of the accelerator?
- Does it service the technical needs of the Beamlines?
- Does it service the technical needs of the other controls groups?
- Is there overlap in scope with ITD.
- Is the group sufficiently collaborating and leveraging other Lab resources i.e.; CSI/SDCC
- Is the scope regarding Networking, Computing Workstations and servers, Storage infrastructure (Data, GPFS?) sufficient?

Proposed Review Team:

Chair John Maclean (APS)

Members

Mark Heron (DLS)

Nick Hauser (ANSTO)

Andrew Ferguson (ITD)

Kevin Brown (CAD)

Beamlines controls Charge

The operation and management of the Beamlines group review, including the motion and EPS group.

- Are Beamlines controls appropriately staffed and managed?
Consider – Levels of staffing, areas covered, responsibilities clear, other groups
- Are the Point of contact and issues tracking systems adequate?
Consider other tracking options, over/under delivery, transition to ops
- Does it service the technical needs of the Beamlines Scientists?
Consider fit for purpose, features vs bugs, growth,
- Is the level of “uniformness” and user friendliness adequate?
Consider User interface, amount of standardisation, duplication of effort
- Is the interaction between the internal groups, e.g. DAMA group adequate?
Consider also over all org, mechanical, elect groups, Detectors etc.

Supporting Documentation: The results of earlier reviews will be available.

Proposed Review Team:

Chair John Maclean (APS)

Members

Mark Heron (DLS)

Nick Hauser (ANSTO)

Jen Bohon (SAC)

Kevin Brown (CAD)

Daniel Flathe (LCLS)

Agenda – IT Review

8:30-9:30 Exec Brief with Controls program manager and Paul Zschack

9:30-9:45 Welcome and Facility overview – Paul Zschack

9:45-10:00 IT Systems overview - Richard Farnsworth/Rob Petkus

10:15 Break

10:30-11:00 Group makeup, operations and Core network – Rob Petkus

11:00 Meet with self selected Beamlines scientists and some of DAMA group

12:30-13:30 Lunch

13:30 Meet with IT team members (no Team leaders or Mgt)

14:30-15:00 Review Team discussion

15:00-15:15 Afternoon Tea

15:15-15:30 Cyber and data Security - Matt Cowan

15:30-15:45 Systems and deployments – Mizuki Kara

16:00-17:00 Review Team discussion

17:30-18:00 Prelim findings and closeout

19:00 No host Dinner

Agenda – Controls Review

8:30 -9:00 Exec Brief with Controls program manager
9:00 -9:15 Welcome and Facility overview – Paul Zschack
9:15 -9:45 Beamline overview – RF/ZY
9:45 – 10:15 Beamline specifics ZY + POC
10:15 -10:30 Morning Coffee Break
10:30 – 11:30 Meet with self-selected Beamlines scientists and others in DAMA group
11:30- 12:00 Tour of Beamlines
12:30-13:30 Lunch
13:30-14:30 Meet with Beamlines controls team members (No Mgt)
14:30-14:45 Afternoon Tea break
15:00-16:00 Common systems EPS/CSS-boy/EPICS RF, KS,ZY
16:00-17:00 Review Team discussion
17:30-18:00 Prelim findings and closeout

Final report – 1-March 2018, addressed to Paul Zschack